

Baton Rouge Community College

Academic Affairs Master Syllabus

Date Approved or Revised: July 28, 2008

Course Name: Organic Chemistry II Lab

Course Number: CHEM 221L

Lecture Hrs. 0

Lab Hrs. 3

Credit Hrs. 1

Course Description: Introduces fundamental principles and theories of organic chemistry and representative classes of organic compounds. Includes basic organic laboratory techniques, including note keeping, filtration, recrystallization, extractions, distillation methods, spectroscopic and chromatographic methods, chemical searches, and report writing. Designed for science majors and students in nursing, health science, and engineering.

Prerequisites: CHEM220 and CHEM220L

Co-requisites: CHEM 221

Suggested Enrollment Cap: 30

Learning Outcomes: Upon successful completion of this course, the student will be able to:

- Students will understand and apply the standard lab techniques learned in the previous CHEM 220L lab classes.
- Students can understand and perform organic chemical syntheses and reactions using microscale and macroscale equipment.
- Students will complete chemical puzzles or short research projects involving up to three step synthetic strategies. All the skills, techniques and knowledge from the CHEM 220L and CHEM 221L organic courses will be used.
- Students will perform writing tasks to promote learning including literature research reports.

Assessment Measures: Instructors may use a variety of assessment measures to assess student performance. But, the following assessments will be used in all sections:

- Individual instructor-designed exams will collectively assess all of the learning outcomes and will be administered during the semester as listed in the course syllabus.
- An individual instructor and collaborative departmentally-designed comprehensive final exam, adhering to a department-determined content
- Individual Instructor-designed or collaborative instructor-designed assignments will be given as a portion of the total grade and will include written and oral assignments, projects, homework, and quizzes; all assignments will be graded using an instructor-designed rubric.

Information to be included on the Instructors' Course Syllabi:

- ***Disability Statement:*** Baton Rouge Community College seeks to meet the needs of its students in many ways. See the Office of Disability Services to receive suggestions for disability statements that should be included in each syllabus.
- ***Grading:*** The College grading policy should be included in the course syllabus. Any special practices should also go here. This should include the instructor's and/or the department's policy for make-up work. For example in a speech course, "Speeches not given on due date will receive no grade higher than a sixty" or "Make-up work will not be accepted after the last day of class."
- ***Attendance Policy:*** Include the overall attendance policy of the college. Instructors may want to add additional information in individual syllabi to meet the needs of their courses.
- ***General Policies:*** Instructors' policy on the use of things such as beepers and cell phones and/or hand held programmable calculators should be covered in this section.
- ***Cheating and Plagiarism:*** This must be included in all syllabi and should include the penalties for incidents in a given class. Students should have a clear idea of what constitutes cheating in a given course.
- ***Safety Concerns:*** In some programs this may be a major issue. For example, "No student will be allowed in the safety lab without safety glasses." General statements such as, "Items that may be harmful to one's self or others should not be brought to class."
- ***Library/ Learning Resources:*** Since the development of the total person is part of our mission, assignments in the library and/or the Learning Resources Center should be included to assist students in enhancing skills and in using resources. Students should be encouraged to use the library for reading enjoyment as part of lifelong learning.